



17.4 % EFFICIENCY

UP TO 290 W

60 CELLS



Exceeds the IEC standard 3 times over

Because standards are there to be surpassed.



Low series resistance

Because we want best yields for you.



PERC technology

Because a 3% increase in yield is better than nothing.



15 year product warranty

25 year linear performance guarantee.



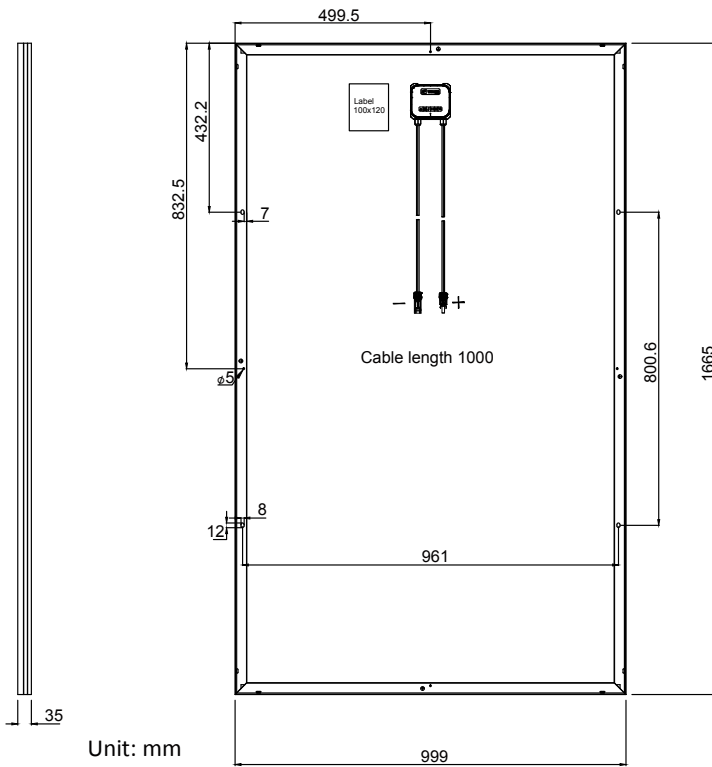
Protection against leak current

Because a 20 % yield loss is avoidable.



100 % electroluminescence test

Because we only deliver premium solar modules.



Mechanical data

Cell	Polycrystalline 156.75 x 156.75 mm silicon cells
Quantity and wiring of cells	60 in series
Dimensions	1,665 x 999 x 35 mm (65.55 x 39.33 x 1.38 in)
Weight	19.0 kg (41.9 lbs)
Glass thickness	3.2 mm (0.13 in)
Frame	Black anodised aluminium
Junction box	IP 67
Connector type	MC4 (PV-KBT4/PV-KST4) IP68; QC4.10 IP67
Module fire performance	Type 1

Operating conditions

Operating temperature	-40°C to +85°C -40°F to +185°F
Maximum system voltage IEC/UL	1,000V/1,000V
Maximum series fuse	20A
Maximum load	5,400 Pa
Nominal operating cell temperature NOCT	45°C ±3°C
Temperature coefficient of P_{MAX}	-0.43 %/°C
Temperature coefficient of V_{OC}	-0.33 %/°C
Temperature coefficient of I_{SC}	0.06 %/°C

Certifications

IEC 61215, IEC 61730-1/-2, UL 1703 Ed. 3, MCS, JET, CE

Electrical data (STC)		WST-285P6	WST-290P6	
Nominal performance	P_{MAX}	285	290	Wp
Voltage at maximum performance	V_{MP}	31.3	31.3	V
Current at maximum performance	I_{MP}	9.11	9.27	A
Open circuit voltage	V_{OC}	38.9	39.1	V
Short circuit current	I_{SC}	9.57	9.65	A
Module efficiency		17.1	17.4	%
Power tolerance		-0/+5		W

Reduction in the module efficiency rating from 1,000W/m² to 200W/m²: < 4%. The electrical data applies under standard test conditions (STC): solar radiation 1,000W/m² with light spectrum AM 1.5, with cell temperature 25°C. Measurement tolerance of P_{MAX} at STC: ±3%. Accuracy of other electrical data: ±10%.

Electrical data (NOCT)		WST-285P6	WST-290P6	
Nominal performance	P_{MAX}	208	212	Wp
Voltage at maximum performance	V_{MP}	28.2	28.2	V
Current at maximum performance	I_{MP}	7.39	7.52	A
Open circuit voltage	V_{OC}	35.6	35.8	V
Short circuit current	I_{SC}	7.82	7.89	A

The electrical data applies under normal operating cell temperature (NOCT): solar radiation 800W/m², AM 1.5, air temperature 20°C, wind speed 1 m/s.

